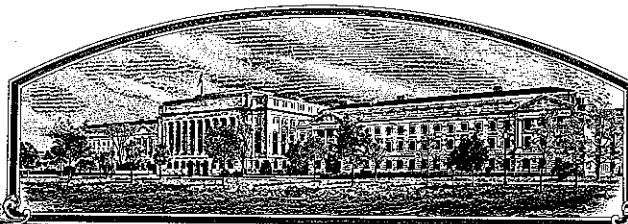


No.

9700397



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Hybri Tech Seed International, a unit of
Monsanto Co.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE IDENTIFIED BY THE VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GRAMS SPECIFIED BY THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Solomon'

*In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed at the
City of Washington, D.C. this thirtieth day
of July in the year of our Lord one thousand
nine hundred and ninety-nine.*

Attest:

Ann Marie L...

Commissioner
Plant Variety Protection Office
JUL 30 1911

Jan. H. L...

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the privacy Act of 1974 (5 U.S.C. 552a)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate) HybriTech Seed International, a unit of Monsanto Co.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W87-12479W	3. VARIETY NAME SOLOMON
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 5912 N. Meridian Street Wichita, Kansas 67204-1699		5. TELEPHONE (include area code) 316-755-1250	PVPO NUMBER 9700397 DATE Sept 18, 1997 FILING AND EXAMINATION FEE \$2450.00 DATE Sept. 16, 1997 CERTIFICATION FEE 300.00 DATE June 18, 1999
6. FAX (include area code) 316-755-0072			
7. GENUS AND SPECIES NAME <u>Triticum aestivum</u>	8. FAMILY NAME (Botanical) Gramineae		
9. CROP KIND NAME (common name) Hard White Winter Wheat			
10. IF THE APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (common name) Corporation			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Delaware	12. DATE OF INCORPORATION 1933		
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Dr. Gordon Cisar 806 N. Second Street PO Box 1320 Berthoud, Colorado 80513 AND Mr. Robert Bruns 806 N. Second Street PO Box 30 Berthoud, Colorado 80513 970-532-3721			14. TELEPHONE (include area code) 970- 532-9840
			15. FAX (include area code) 970-532-2035
16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (follow instructions on reverse)			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of the Variety d. <input checked="" type="checkbox"/> Exhibit D. Additional Description of the Variety e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Applicant's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds, or, for tuber propagated varieties verification that tissue culture will be deposited and maintained in a public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to PVPO)			
17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY, AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input checked="" type="checkbox"/> YES (if "yes", answer items 18 and 19 below) <input type="checkbox"/> NO (if "no", go to item 20)			
18. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		19. IF "YES" TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDERS SEED? <input checked="" type="checkbox"/> FOUNDATION <input checked="" type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED	
20. HAS THE VARIETY OR A HYBRID PRODUCED FROM THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETING IN THE U.S. OR OTHER COUNTRIES? <input type="checkbox"/> YES (IF "YES", give names of countries and dates) <input checked="" type="checkbox"/> NO			
21. The applicant(s) declare that a viable sample of basic seed of the variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned applicant(s) is(are) the owner(s) of this sexually reproduced or tuber plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF APPLICANT (Owner(s)) <i>Gordon Cisar, Ph.D.</i>		SIGNATURE OF APPLICANT (Owner(s))	
NAME (Please print or type) Dr. Gordon Cisar		NAME (Please print or type)	
CAPACITY OR TITLE Senior Project Leader, HRW Research	DATE 8/26/97	CAPACITY OR TITLE	DATE

Exhibit A.

Origin And Breeding History of Solomon

Solomon was an F3 derived single plant selection from the cross Dacia /4/ Ciano 'sib' / Penjamo 76 // Gallo /3/ Bluebird / Chanate /5/ Victory. The cross was made in Berthoud, Colorado in 1983. In 1986 a plant selection based upon plant height, fertility, and absence of leaf rust was made in Berthoud, Colorado. The resulting F4 plant row was tested in preliminary yield trials from 1987 and has been subsequently tested in replicated trials from 1988 through 1995. These replicated trials represent a broad geographic area in the Hard Winter Wheat region. Solomon has been tested in selected university trials and in the Southern Regional Performance Nursery under the designation W87-12479W.

In 1992, 96 headrows were planted in Berthoud, Colorado. The rows with uniform appearance were individually harvested, evaluated for seed color and planted as progeny rows in Berthoud, Colorado in 1994. These progeny rows were evaluated for disease resistance, phenotype and seed color and planted in a Breeder's Seed increase in Berthoud, Colorado in 1995.

Solomon has been uniform and stable since 1994. Less than 0.8% of the plants were rogued from the Breeder's Seed increase in 1995. Approximately 90% of the rogued variant plants were taller height wheat plants (3 to 15 cm), 5% were blue-green plant color at boot and 5% were awnless. Up to 1% variant plants may be encountered in subsequent generations.

Exhibit B.
Statement Of Distinctness

Solomon is most similar to the hard white winter wheat 'Rio Blanco'. However it can be easily distinguished by the following morphological characteristics:

- Solomon does not exhibit auricle hairs (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996). Rio Blanco does exhibit auricle hairs (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996).
- Solomon has a recurved flag leaf at boot stage (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996). Rio Blanco has an erect flag leaf at boot stage (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996).
- Solomon has an elevated shoulder shape on the glume (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996). Rio Blanco has an oblique shoulder shape on the glume (Berthoud, Colorado 1992, 1993, 1994, 1995 and 1996).

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE DIVISION
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Wheat)

OBJECTIVE DESCRIPTION OF VARIETY

WHEAT (*Triticum* Spp.)

NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Co.	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 5912 N. Meridian Street Wichita, Kansas 67204-1699	PVPO NUMBER 9700397
	NAME OR EXPERIMENTAL DESIGNATION Solomon

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in the first box when number is either 99 or less or 9 or less respectively. Data for quantitative plant characters should be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal Horticultural Society or any recognized standard may be used to determine plant colors; designate system used.

Please answer all questions for your variety; lack of response may delay progress of your application.

1. KIND:

1=Common 2=Durum 3=Club 4=Other (specify) _____

2. VERNALIZATION:

1=Spring 2=Winter 3=Other (specify) _____

3. COLEOPTILE ANTHOCYANIN:

1=Absent 2=Present

4. JUVENILE PLANT GROWTH:

1=Prostrate 2=Semi-erect 3=Erect

5. PLANT COLOR (boot stage):

1 = Yellow-Green 2 = Green 3 = Blue-Green

6. FLAG LEAF (boot stage):

1 = Erect 2 = Recurved

1 = Not Twisted 2 = Twisted

7. EAR EMERGENCE:

*Same as Rio Blanco

Number of Days Earlier Than _____ *

Number of Days Later Than _____ *

8. ANTHR COLOR:

1 = YELLOW 2 = PURPLE

9. PLANT HEIGHT (from soil to top of head, excluding awns):

cm Taller Than Rio Blanco *

cm Shorter Than _____ *

* Relative to a PVPO-Approved Commercial Variety Grown in the Same Trial

10. STEM:

A. ANTHOCYANIN

1 1= Absent 2=Present

B. WAXY BLOOM

2 1=Absent 2=Present

C. HAIRINESS (*last internode of rachis*)

2 1=Absent 2=Present

D. INTERNODE (*specify number*)

1 1=Hollow 2=Semi-solid 3=Solid

E. PEDUNCLE

1 1=Absent 2=Present

3 0 cm Length

11. HEAD (*at Maturity*):

A. DENSITY

2 1=Lax 2=Middense 3= Dense

B. SHAPE

1 1 = Tapering 2= Strap 3 = Clavate 4 = Other (*specify*)

C. CURVATURE

2 1 = Erect 2 = Inclined 3 = Recurved

D. AWNEDNESS

4 1 = Awnless 2 = Apically Awnletted 3 = Awnletted 4 = Awned

12. GLUMES (*at Maturity*):

A. COLOR

1 1 = White 2 = Tan 3 = Other (*specify*)

B. SHOULDER

5 1 = Wanting 2 = Oblique 3 = Rounded 4 = Square 5 = Elevated 6 = Apiculate

C. BEAK

3 1 = Obtuse 2 = Acute 3 =Acuminate

D. LENGTH

2 1 = Short (ca. 7mm) 2 = Medium (ca. 8mm) 3 = Long (ca. 9mm)

E. WIDTH

1 1 = Narrow (ca. 3mm) 2 = Medium (ca. 3.5mm) 3 = Wide (ca. 4mm)

13. SEED:

A. SHAPE

1 1 = Ovate 2 = Oval 3 = Elliptical

B. CHEEK

1 1=Rounded 2=Angular

C. BRUSH

2 1=Short 2=Medium 3=Long

1 1 = Not Collared 2 = Collared

D. CREASE

1 1 = Width 60% or less of Kernel
2 = Width 80% or less of Kernel
3 = Width Nearly as Wide as Kernel

1 1 = Depth 20% or less of Kernel
2 = Depth 35% or less of Kernel
3 = Depth 50% or less of Kernel

13. SEED: (continued)

E. COLOR

☒ 1 = White 2 = Amber 3 = Red 4 = Other (specify) _____

F. TEXTURE

☒ 1 = Hard 2 = Soft

G. PHENOL REACTION (see instructions):

☒ 0 = Ivory 2 = Fawn 3 = Light Brown 4 = Dark Brown 5 = Black

14. DISEASE: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE INDICATE THE SPECIFIC RACE OR STRAIN TESTED

<input checked="" type="checkbox"/> 4	Stem Rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) Field races	<input checked="" type="checkbox"/> 4	Leaf Rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) Field races
<input checked="" type="checkbox"/> 0	Stripe Rust (<i>Puccinia striiformis</i>)	<input checked="" type="checkbox"/> 0	Loose Smut (<i>Ustilago tritici</i>)
<input checked="" type="checkbox"/> 0	Tan Spot (<i>Pyrenophora tritici-repentis</i>)	<input checked="" type="checkbox"/> 0	Flag Smut (<i>Urocystis agropyri</i>)
<input checked="" type="checkbox"/> 0	Halo Spot (<i>Selenophoma donacis</i>)	<input checked="" type="checkbox"/> 0	Common Bunt (<i>Tilletia tritici</i> or <i>T. laevis</i>)
<input checked="" type="checkbox"/> 0	<i>Septoria nodorum</i> (Glume Blotch)	<input checked="" type="checkbox"/> 0	Dwarf Bunt (<i>Tilletia controversa</i>)
<input checked="" type="checkbox"/> 0	<i>Septoria avenae</i> (Speckled Leaf Disease)	<input checked="" type="checkbox"/> 0	Karnal Bunt (<i>Tilletia indica</i>)
<input checked="" type="checkbox"/> 0	<i>Septoria tritici</i> (Speckled Leaf Blotch)	<input checked="" type="checkbox"/> 4	Powdery Mildew (<i>Erysiphe graminis</i> f. sp. <i>tritici</i>) Field races
<input checked="" type="checkbox"/> 0	Scab (<i>Fusarium</i> spp.)	<input checked="" type="checkbox"/> 0	Snow Molds
<input checked="" type="checkbox"/> 0	Black Point (Kernel Smudge)	<input checked="" type="checkbox"/> 0	Common Root Rot (<i>Fusarium</i> , <i>Cochliobolus</i> and <i>Bipolaris</i> spp.)
<input checked="" type="checkbox"/> 0	Barley Yellow Dwarf Virus (BYDV)	<input checked="" type="checkbox"/> 0	Rhizoctonia Root Rot (<i>Rhizoctonia solani</i>)
<input checked="" type="checkbox"/> 4	Soilborne Mosaic Virus (SBMV) Field races	<input checked="" type="checkbox"/> 0	Black Chaff (<i>Xanthomonas campestris</i> pv. <i>translucens</i>)
<input checked="" type="checkbox"/> 4	Wheat Yellow (Spindle Streak) Mosaic Virus Field races	<input checked="" type="checkbox"/> 0	Bacterial Leaf Blight (<i>Pseudomonas syringae</i> pv. <i>syringae</i>)
<input checked="" type="checkbox"/> 3	Wheat Streak Mosaic Virus (WSMV) Field races	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/>	Other (specify) _____	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/>	Other (specify) _____	<input type="checkbox"/>	Other (specify) _____
<input type="checkbox"/>	Other (specify) _____	<input type="checkbox"/>	Other (specify) _____

15. INSECT: (0=Not Tested; 1=Susceptible; 2=Resistant; 3=Intermediate; 4=Tolerant)

PLEASE SPECIFY BIOTYPE (where needed)

<input checked="" type="checkbox"/> 1	Hessian Fly (<i>Mayetiola destructor</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Stem Sawfly (<i>Cephus</i> spp.)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Cereal Leaf Beetle (<i>Oulema melanopa</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Russian Aphid (<i>Diuraphis noxia</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Greenbug (<i>Schizaphis graminum</i>)	<input type="checkbox"/>	Other (<i>specify</i>)
<input type="checkbox"/> 0	Aphids		

16. ADDITIONAL INFORMATION ON ANY ITEM ABOVE, OR GENERAL COMMENTS:

Exhibit D.

Additional Description Of Solomon

Solomon is a hard white winter wheat bred and developed by Agripro Seeds, Inc. Solomon is a high yielding, short semidwarf wheat with medium early maturity and excellent straw strength. Solomon provides tolerance to Leaf rust, Soilborne mosaic virus, Spindle streak mosaic virus and Powdery mildew. Milling and baking characteristics are excellent with strong mixing patterns.

Juvenile growth habit is semierect. Plant color at boot stage is green. Flag leaf at boot stage is recurved and twisted. Auricle anthocyanin is present but auricle hairs are absent. Waxy bloom is present on the flag leaf sheath, head and stem. Head shape is tapering, middense and awned. Plant color at maturity is white. Glumes are glabrous, medium in length and narrow in width with acuminate beaks. Shoulder shape on the glume is elevated. Seed shape is ovate with rounded cheeks. Seed crease depth is shallow and width is narrow.

Solomon is well adapted to a large portion of the Hard Wheat region. This includes western Kansas, southwestern Nebraska, eastern Colorado and the states of Oklahoma and Texas.

9700397

ACRIPRO WHEAT
HARD RED WINTER WHEAT

YEAR: 1996

FLOUR/WHEAT QUALITY

BAKING QUALITY

YEAR-LOC	WHT				FLR				FIR				ASH				PK				MIXOCRAM				ABS				MIX				LOAF				CRUMB				OVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	PROT		14%mb		PROT		14%mb		R		NHRD		YLD		%		min		N.U.		mm		R		%		min		R		cc		R		R		TX		COL			R	R	R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

RATINGS: 1-2=EXCELLENT 3-4=GOOD 5=ACCEPTABLE 6-7=QUESTIONABLE 8-9=INACCEPTABLE

9700397

Var./Line	Heading	Maturity	Coleoptile	Height	Straw	Leaf Rust	Stem Rust	Powdery Mildew	Hessian fly	WSMV	SBMV	SSMV
Solomon	4	5	4	3	3	2	3	8	3	7	4	4
Rio Blanco	4	5	5	3	5	8	5	7	5	7	3	6

Data generated in 1988:

Berthoud, CO - Yield, Test Wt., Height, Lodging Severity (straw strength), Maturity, Pollination,
Hessian fly (grmhse. screening) Powdery Mildew, Leaf Rust, Stem Rust (grmhse. screening)
Salina, KS - Yield, Test Wt.
Everest, KS - Soilborne Mosaic

Data generated in 1989:

Berthoud, CO - Yield, Test Wt., Height, Heading Date, Stem Rust (grmhse. & field), Leaf Rust (grmhse.)
Nardin, OK - Yield, Test Wt., Height, Maturity, Lodging Severity (straw strength), Leaf Rust (field)
Garden City, KS - Yield, Test Wt.
Geneva, NE - Yield, Test Wt., Height

Data generated in 1990:

Berthoud, CO - Height, Heading, Anthesis, Coleoptile (grmhse. screening)
Dumas, TX - Growth habit, Heading
Salina, KS - Leaf Rust
Grant, NE - Soilborne
Hays, KS - WSMV (Visual screening - Dr. T. J. Martin).

Data generated in 1991:

Berthoud, CO - Heading, Pollination, Leaf Rust
Dumas, TX - Heading
Wichita, KS - Heading, Leaf Rust
Everest, KS - Soilborne, Spindle Streak
Salina, KS - Leaf Rust
Imperial, NE - Leaf Rust
Hays, KS - WSMV (Visual screening - Dr. T. J. Martin).

Data generated in 1992:

Berthoud, CO - Yield, Test Wt., Heading, Height, Pollination, Greenhouse Screening for:
Coleoptile, Tan Spot, Powdery Mildew, and Hessian fly
Salina KS - Yield, Test Wt.,
Rome, KS - Spindle Streak
Hays, KS - WSMV (Visual screening - Dr. T. J. Martin).
Wichita, KS - Yield, Test Wt., Septoria

Data generated in 1993:

Berthoud, CO - Yield, Test Wt., Heading, Pollination, Maturity, Height
Garden City, KS - Yield, Test Wt.
Geneva, NE - Soilborne
Imperial, NE - Yield, Test Wt., Lodging
Wichita, KS - Yield, Test Wt., Septoria, Tan spot

Data generated in 1994:

Berthoud, CO - Yield, Test Wt., Heading, Pollination, Maturity, Height,
Leaf Rust (greenhse screening), Powdery Mildew
Garden City, KS - Yield, Test Wt., Leaf Rust
Goodland, KS - Yield, Test Wt., Lodging, Wheat Streak
Nardin, OK - Leaf Rust, Septoria, Tan spot
Dumas, TX - Yield, Test Wt.
Hereford, TX - Heading
Hays, KS - WSMV (Visual screening).

Data generated in 1995:

Berthoud, CO - Yield, Test Wt., Heading, Leaf Rust, Lodging Severity,
Powdery mildew
Goodland, KS - Yield, Test Wt., Lodging Severity
Beloit, KS - Yield, Test Wt., Tan Spot
Salina, KS - Heading, Septoria
Everest, KS - Spindle Streak, Soilborne
Saint John, KS - Spindle Streak
Dumas, TX - Test Wt.
Wichita, KS - Leaf Rust, Tan Spot

Note: Rankings in this table represent the average for a given trait on a 1-9 scale where 1 and 9 represent the extremes for the respective traits.

Trait	1	9
Heading	early	late
Maturity	early	late
Coleoptile	long	short
Height	short	tall
Straw Strength	strong	weak
All disease & insect ratings	resistant	susceptible

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) HybriTech Seed International, a unit of Monsanto Company		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER W87-1249W	3. VARIETY NAME SOLOMON
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 5912 N. Meridan Wichita, Kansas 67204-1699		5. TELEPHONE (include area code) 316-755-1250	6. FAX (include area code) 316-755-0072
		7. PVPO NUMBER 9700397	
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
10. Is the applicant the original breeder? If no, please answer the following: a. If original rights to variety were owned by individual(s): Is (are) the original breeder(s) a U.S. national(s)? If no, give name of country <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO b. If original rights to variety were owned by a company: Is the original breeder(s) U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
11. Additional explanation on ownership (If needed, use reverse for extra space):			

Please see following page.

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original breeder, both the original breeder and the applicant must meet one of the above criteria.

The original breeder may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

Public reporting burden for this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Jamie L. Whitten Building, Washington, D.C. 20250. When replying, refer to OMB No. 0581-0055 and form number in your letter.

Under the PRA of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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Exhibit E.
Statement Of The Basis Of Applicant's Ownership

The variety for which Plant Variety Protection is hereby sought was developed by Dr. John Moffatt, an employee of Agripro Seeds, Inc. By agreement between employees and Agripro Seeds, Inc., all rights to any invention, discovery, or development made by the employee while employed by Agripro Seeds, Inc., were assigned to Agripro Seeds, Inc., with no rights of any kind pertaining to 'Solomon' being retained by the employees.

By contractual agreement the variety 'Solomon' was purchased from Agripro Seeds, Inc. in June of 1996 and is currently owned by HybriTech Seed International, Inc.